Halbur, Kathy

From: Halbur, Kathy
Sent: Thursday, March 19, 2015 8:22 AM
To: 'Edward J Weiss'
Subject: Acme Galvanizing Sample Results
Attachments: 1503417 Report.pdf

Hi Ed:

Please see below and attached. Let me know if you have any questions.

Kathy

From: Halbur, Kathy
Sent: Thursday, March 19, 2015 8:21 AM
To: 'Mueller, Stephen D - DNR'; 'Schmidt, Lindor'; 'Biedrzycki, Paul'; 'Thiboldeaux, Robert L - DHS'; 'May, David W Lt Col USAF NG WIANG (US)'; 'eng25@milwaukee.gov'; 'Hibbler, Genene'
Cc: 'Scott, Kevin'; 'lance.summers@tetratech.com'
Subject: Acme Galvanizing Sample Results

All:

The laboratory analytical results of the samples the MFD Hazmat Team collected on Monday at Acme Galvanizing are attached. Tetra Tech will do a quick data validation of the results, however we were not able to submit any QC samples, so please note the inherent limitations of this data.

Air Sample 1 was collected outside (east of the fire area) and air samples 2 and 3 were in the area where the meters were reading >50 ppm. The lab could not run TO-15 and CN on the same sample, so we ran TO-15 on sample 2 and CN on sample 3. Sample 4 was of the liquid in the loading dock; some of which reached the KK River.

The lab will clean the summas and return them to me. I will drop them off at E25 when I get them back.

Give me a call if you have any questions.
Kathy
920-634-9072

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 588-1 **Lab ID:** 1503417-01
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,3-Butadiene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
1,4-Dioxane	ND		1.0	ppbv	1	3/17/2015 04:23 PM
2-Butanone	ND		0.50	ppbv	1	3/17/2015 04:23 PM
2-Hexanone	ND		0.50	ppbv	1	3/17/2015 04:23 PM
2-Propanol	**2.9**		**1.0**	**ppbv**	1	3/17/2015 04:23 PM
4-Ethyltoluene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Acetone	**12**		**1.0**	**ppbv**	1	3/17/2015 04:23 PM
Benzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Benzyl chloride	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Bromodichloromethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Bromoform	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Bromomethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Carbon disulfide	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Chlorobenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Chloroethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Chloroform	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Chloromethane	**0.67**		**0.50**	**ppbv**	1	3/17/2015 04:23 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Cumene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Cyclohexane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026
Work Order: 1503417
Sample ID: 588-1
Lab ID: 1503417-01
Collection Date: 3/16/2015 12:00 PM
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Ethylbenzene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Freon 113	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Freon 114	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Heptane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Hexane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
m,p-Xylene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Methylene chloride	ND		0.50	ppbv	1	3/17/2015 04:23 PM
MTBE	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Naphthalene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
o-Xylene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Propene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Styrene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Tetrahydrofuran	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Toluene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Trichloroethene	ND		0.20	ppbv	1	3/17/2015 04:23 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Vinyl acetate	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Vinyl chloride	ND		0.50	ppbv	1	3/17/2015 04:23 PM
Surr: Bromofluorobenzene	*97.7*		*60-140*	*%REC*	1	3/17/2015 04:23 PM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		2.7	µg/m3	1	3/17/2015 04:23 PM
1,1,2,2-Tetrachloroethane	ND		3.4	µg/m3	1	3/17/2015 04:23 PM
1,1,2-Trichloroethane	ND		2.7	µg/m3	1	3/17/2015 04:23 PM
1,1-Dichloroethane	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
1,1-Dichloroethene	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
1,2,4-Trichlorobenzene	ND		3.7	µg/m3	1	3/17/2015 04:23 PM
1,2,4-Trimethylbenzene	ND		2.5	µg/m3	1	3/17/2015 04:23 PM
1,2-Dibromoethane	ND		3.8	µg/m3	1	3/17/2015 04:23 PM
1,2-Dichlorobenzene	ND		3.0	µg/m3	1	3/17/2015 04:23 PM
1,2-Dichloroethane	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
1,2-Dichloropropane	ND		2.3	µg/m3	1	3/17/2015 04:23 PM
1,3,5-Trimethylbenzene	ND		2.5	µg/m3	1	3/17/2015 04:23 PM
1,3-Butadiene	ND		1.1	µg/m3	1	3/17/2015 04:23 PM
1,3-Dichlorobenzene	ND		3.0	µg/m3	1	3/17/2015 04:23 PM
1,4-Dichlorobenzene	ND		3.0	µg/m3	1	3/17/2015 04:23 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 588-1 **Lab ID:** 1503417-01
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.6	µg/m3	1	3/17/2015 04:23 PM
2-Butanone	ND		1.5	µg/m3	1	3/17/2015 04:23 PM
2-Hexanone	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
2-Propanol	**7.1**		**2.5**	**µg/m3**	1	3/17/2015 04:23 PM
4-Ethyltoluene	ND		2.5	µg/m3	1	3/17/2015 04:23 PM
4-Methyl-2-pentanone	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
Acetone	**29**		**2.4**	**µg/m3**	1	3/17/2015 04:23 PM
Benzene	ND		1.6	µg/m3	1	3/17/2015 04:23 PM
Benzyl chloride	ND		2.6	µg/m3	1	3/17/2015 04:23 PM
Bromodichloromethane	ND		3.4	µg/m3	1	3/17/2015 04:23 PM
Bromoform	ND		5.2	µg/m3	1	3/17/2015 04:23 PM
Bromomethane	ND		1.9	µg/m3	1	3/17/2015 04:23 PM
Carbon disulfide	ND		1.6	µg/m3	1	3/17/2015 04:23 PM
Carbon tetrachloride	ND		3.1	µg/m3	1	3/17/2015 04:23 PM
Chlorobenzene	ND		2.3	µg/m3	1	3/17/2015 04:23 PM
Chloroethane	ND		1.3	µg/m3	1	3/17/2015 04:23 PM
Chloroform	ND		2.4	µg/m3	1	3/17/2015 04:23 PM
Chloromethane	**1.4**		**1.0**	**µg/m3**	1	3/17/2015 04:23 PM
cis-1,2-Dichloroethene	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
cis-1,3-Dichloropropene	ND		2.3	µg/m3	1	3/17/2015 04:23 PM
Cumene	ND		2.5	µg/m3	1	3/17/2015 04:23 PM
Cyclohexane	ND		1.7	µg/m3	1	3/17/2015 04:23 PM
Dibromochloromethane	ND		4.3	µg/m3	1	3/17/2015 04:23 PM
Dichlorodifluoromethane	ND		2.5	µg/m3	1	3/17/2015 04:23 PM
Ethyl acetate	ND		1.8	µg/m3	1	3/17/2015 04:23 PM
Ethylbenzene	ND		2.2	µg/m3	1	3/17/2015 04:23 PM
Freon 113	ND		3.8	µg/m3	1	3/17/2015 04:23 PM
Freon 114	ND		3.5	µg/m3	1	3/17/2015 04:23 PM
Heptane	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
Hexachlorobutadiene	ND		5.3	µg/m3	1	3/17/2015 04:23 PM
Hexane	ND		1.8	µg/m3	1	3/17/2015 04:23 PM
m,p-Xylene	ND		2.2	µg/m3	1	3/17/2015 04:23 PM
Methylene chloride	ND		1.7	µg/m3	1	3/17/2015 04:23 PM
MTBE	ND		1.8	µg/m3	1	3/17/2015 04:23 PM
Naphthalene	ND		2.6	µg/m3	1	3/17/2015 04:23 PM
o-Xylene	ND		2.2	µg/m3	1	3/17/2015 04:23 PM
Propene	ND		0.86	µg/m3	1	3/17/2015 04:23 PM
Styrene	ND		2.1	µg/m3	1	3/17/2015 04:23 PM
Tetrachloroethene	ND		3.4	µg/m3	1	3/17/2015 04:23 PM
Tetrahydrofuran	ND		1.5	µg/m3	1	3/17/2015 04:23 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 588-1 **Lab ID:** 1503417-01
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		1.9	µg/m3	1	3/17/2015 04:23 PM
trans-1,2-Dichloroethene	ND		2.0	µg/m3	1	3/17/2015 04:23 PM
trans-1,3-Dichloropropene	ND		2.3	µg/m3	1	3/17/2015 04:23 PM
Trichloroethene	ND		1.1	µg/m3	1	3/17/2015 04:23 PM
Trichlorofluoromethane	ND		2.8	µg/m3	1	3/17/2015 04:23 PM
Vinyl acetate	ND		1.8	µg/m3	1	3/17/2015 04:23 PM
Vinyl chloride	ND		1.3	µg/m3	1	3/17/2015 04:23 PM
Surr: Bromofluorobenzene	*97.7*		*60-140*	*%REC*	1	3/17/2015 04:23 PM
HYDROGEN CYANIDE BY NIOSH 6010 MOD.			**N6010**			Analyst: **CTS**
Hydrogen cyanide	ND		1.0	µg/sample	1	3/18/2015

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 162-2 **Lab ID:** 1503417-02
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2,4-Trimethylbenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,3-Butadiene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
1,4-Dioxane	ND		10	ppbv	10	3/17/2015 05:03 PM
2-Butanone	ND		5.0	ppbv	10	3/17/2015 05:03 PM
2-Hexanone	ND		5.0	ppbv	10	3/17/2015 05:03 PM
2-Propanol	ND		10	ppbv	10	3/17/2015 05:03 PM
4-Ethyltoluene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Acetone	**580**		**40**	**ppbv**	40	3/18/2015 12:30 PM
Benzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Benzyl chloride	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Bromodichloromethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Bromoform	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Bromomethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Carbon disulfide	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Carbon tetrachloride	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Chlorobenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Chloroethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Chloroform	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Chloromethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Cumene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Cyclohexane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Dibromochloromethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 162-2 **Lab ID:** 1503417-02
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Ethylbenzene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Freon 113	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Freon 114	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Heptane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Hexane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
m,p-Xylene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Methylene chloride	ND		5.0	ppbv	10	3/17/2015 05:03 PM
MTBE	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Naphthalene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
o-Xylene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Propene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Styrene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Tetrachloroethene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Tetrahydrofuran	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Toluene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Trichloroethene	ND		2.0	ppbv	10	3/17/2015 05:03 PM
Trichlorofluoromethane	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Vinyl acetate	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Vinyl chloride	ND		5.0	ppbv	10	3/17/2015 05:03 PM
Surr: Bromofluorobenzene	*97.2*		*60-140*	*%REC*	10	3/17/2015 05:03 PM
TO-15 BY GC/MS			**ETO-15**			Analyst: **MRJ**
1,1,1-Trichloroethane	ND		27	µg/m3	10	3/17/2015 05:03 PM
1,1,2,2-Tetrachloroethane	ND		34	µg/m3	10	3/17/2015 05:03 PM
1,1,2-Trichloroethane	ND		27	µg/m3	10	3/17/2015 05:03 PM
1,1-Dichloroethane	ND		20	µg/m3	10	3/17/2015 05:03 PM
1,1-Dichloroethene	ND		20	µg/m3	10	3/17/2015 05:03 PM
1,2,4-Trichlorobenzene	ND		37	µg/m3	10	3/17/2015 05:03 PM
1,2,4-Trimethylbenzene	ND		25	µg/m3	10	3/17/2015 05:03 PM
1,2-Dibromoethane	ND		38	µg/m3	10	3/17/2015 05:03 PM
1,2-Dichlorobenzene	ND		30	µg/m3	10	3/17/2015 05:03 PM
1,2-Dichloroethane	ND		20	µg/m3	10	3/17/2015 05:03 PM
1,2-Dichloropropane	ND		23	µg/m3	10	3/17/2015 05:03 PM
1,3,5-Trimethylbenzene	ND		25	µg/m3	10	3/17/2015 05:03 PM
1,3-Butadiene	ND		11	µg/m3	10	3/17/2015 05:03 PM
1,3-Dichlorobenzene	ND		30	µg/m3	10	3/17/2015 05:03 PM
1,4-Dichlorobenzene	ND		30	µg/m3	10	3/17/2015 05:03 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 162-2 **Lab ID:** 1503417-02
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36	µg/m3	10	3/17/2015 05:03 PM
2-Butanone	ND		15	µg/m3	10	3/17/2015 05:03 PM
2-Hexanone	ND		20	µg/m3	10	3/17/2015 05:03 PM
2-Propanol	ND		25	µg/m3	10	3/17/2015 05:03 PM
4-Ethyltoluene	ND		25	µg/m3	10	3/17/2015 05:03 PM
4-Methyl-2-pentanone	ND		20	µg/m3	10	3/17/2015 05:03 PM
Acetone	**1,400**		**95**	**µg/m3**	40	3/18/2015 12:30 PM
Benzene	ND		16	µg/m3	10	3/17/2015 05:03 PM
Benzyl chloride	ND		26	µg/m3	10	3/17/2015 05:03 PM
Bromodichloromethane	ND		34	µg/m3	10	3/17/2015 05:03 PM
Bromoform	ND		52	µg/m3	10	3/17/2015 05:03 PM
Bromomethane	ND		19	µg/m3	10	3/17/2015 05:03 PM
Carbon disulfide	ND		16	µg/m3	10	3/17/2015 05:03 PM
Carbon tetrachloride	ND		31	µg/m3	10	3/17/2015 05:03 PM
Chlorobenzene	ND		23	µg/m3	10	3/17/2015 05:03 PM
Chloroethane	ND		13	µg/m3	10	3/17/2015 05:03 PM
Chloroform	ND		24	µg/m3	10	3/17/2015 05:03 PM
Chloromethane	ND		10	µg/m3	10	3/17/2015 05:03 PM
cis-1,2-Dichloroethene	ND		20	µg/m3	10	3/17/2015 05:03 PM
cis-1,3-Dichloropropene	ND		23	µg/m3	10	3/17/2015 05:03 PM
Cumene	ND		25	µg/m3	10	3/17/2015 05:03 PM
Cyclohexane	ND		17	µg/m3	10	3/17/2015 05:03 PM
Dibromochloromethane	ND		43	µg/m3	10	3/17/2015 05:03 PM
Dichlorodifluoromethane	ND		25	µg/m3	10	3/17/2015 05:03 PM
Ethyl acetate	ND		18	µg/m3	10	3/17/2015 05:03 PM
Ethylbenzene	ND		22	µg/m3	10	3/17/2015 05:03 PM
Freon 113	ND		38	µg/m3	10	3/17/2015 05:03 PM
Freon 114	ND		35	µg/m3	10	3/17/2015 05:03 PM
Heptane	ND		20	µg/m3	10	3/17/2015 05:03 PM
Hexachlorobutadiene	ND		53	µg/m3	10	3/17/2015 05:03 PM
Hexane	ND		18	µg/m3	10	3/17/2015 05:03 PM
m,p-Xylene	ND		22	µg/m3	10	3/17/2015 05:03 PM
Methylene chloride	ND		17	µg/m3	10	3/17/2015 05:03 PM
MTBE	ND		18	µg/m3	10	3/17/2015 05:03 PM
Naphthalene	ND		26	µg/m3	10	3/17/2015 05:03 PM
o-Xylene	ND		22	µg/m3	10	3/17/2015 05:03 PM
Propene	ND		8.6	µg/m3	10	3/17/2015 05:03 PM
Styrene	ND		21	µg/m3	10	3/17/2015 05:03 PM
Tetrachloroethene	ND		34	µg/m3	10	3/17/2015 05:03 PM
Tetrahydrofuran	ND		15	µg/m3	10	3/17/2015 05:03 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 162-2 **Lab ID:** 1503417-02
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		19	µg/m3	10	3/17/2015 05:03 PM
trans-1,2-Dichloroethene	ND		20	µg/m3	10	3/17/2015 05:03 PM
trans-1,3-Dichloropropene	ND		23	µg/m3	10	3/17/2015 05:03 PM
Trichloroethene	ND		11	µg/m3	10	3/17/2015 05:03 PM
Trichlorofluoromethane	ND		28	µg/m3	10	3/17/2015 05:03 PM
Vinyl acetate	ND		18	µg/m3	10	3/17/2015 05:03 PM
Vinyl chloride	ND		13	µg/m3	10	3/17/2015 05:03 PM
Surr: Bromofluorobenzene	*97.2*		*60-140*	*%REC*	10	3/17/2015 05:03 PM

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: 183-3 **Lab ID:** 1503417-03
Collection Date: 3/16/2015 12:00 PM **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
HYDROGEN CYANIDE BY NIOSH 6010 MOD.			**N6010**			Analyst: **CTS**
Hydrogen cyanide	ND		1.0	µg/sample	1	3/18/2015

Note:

ALS Environmental

Date: *18-Mar-15*

Client: TETRATECH-CHICAGO
Project: ACME Galv. Inc.; Project No.: 103X9026 **Work Order:** 1503417
Sample ID: LIQ-1 **Lab ID:** 1503417-04
Collection Date: 3/16/2015 12:00 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVAA			**SW7470A**		Prep Date: **3/17/2015**	Analyst: **SLW**
Mercury	ND		0.50	µg/L	1	3/18/2015 09:59 AM
METALS BY ICP			**SW6010B**		Prep Date: **3/17/2015**	Analyst: **VAW**
Aluminum	**1.3**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Antimony	**0.025**		**0.0060**	**mg/L**	1	3/17/2015 04:37 PM
Arsenic	ND		0.010	mg/L	1	3/17/2015 04:37 PM
Barium	**0.19**		**0.10**	**mg/L**	1	3/17/2015 04:37 PM
Beryllium	ND		0.0040	mg/L	1	3/17/2015 04:37 PM
Cadmium	**0.072**		**0.0050**	**mg/L**	1	3/17/2015 04:37 PM
Calcium	**88**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Chromium	**0.19**		**0.020**	**mg/L**	1	3/17/2015 04:37 PM
Cobalt	ND		0.050	mg/L	1	3/17/2015 04:37 PM
Copper	**0.41**		**0.025**	**mg/L**	1	3/17/2015 04:37 PM
Iron	**10**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Lead	**0.33**		**0.015**	**mg/L**	1	3/17/2015 04:37 PM
Magnesium	**14**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Manganese	**0.29**		**0.050**	**mg/L**	1	3/17/2015 04:37 PM
Nickel	**0.14**		**0.040**	**mg/L**	1	3/17/2015 04:37 PM
Potassium	**11**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Selenium	ND		0.030	mg/L	1	3/17/2015 04:37 PM
Silver	ND		0.010	mg/L	1	3/17/2015 04:37 PM
Sodium	**78**		**0.20**	**mg/L**	1	3/17/2015 04:37 PM
Thallium	ND		0.0020	mg/L	1	3/17/2015 04:37 PM
Vanadium	ND		0.050	mg/L	1	3/17/2015 04:37 PM
Zinc	**8.4**		**0.050**	**mg/L**	1	3/17/2015 04:37 PM
TOTAL CYANIDE			**E335.2**			Analyst: **CTS**
Cyanide, Total	**23**		**20**	**µg/L**	1	3/18/2015
PH			**E9040B**			Analyst: **CTS**
pH	**7.6**			**pH Units**	1	3/18/2015

Note:

QC BATCH REPORT

Batch ID: **R116670** Instrument ID **VMS3** Method: **ETO-15**

MBLK	Sample ID: MBLK-R116670					Units: ppbv			Analysis Date: 3/17/2015 03:49 PM	
Client ID:		Run ID: VMS3_150317A				SeqNo: 1018316		Prep Date:		DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.50								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.50								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.50								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.50								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.50								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	0.50								
2-Hexanone	ND	0.50								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	0.50								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.50								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.50								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Batch ID: **R116670** Instrument ID **VMS3** Method: **ETO-15**

Freon 113	ND	0.50					
Freon 114	ND	0.50					
Heptane	ND	0.50					
Hexachlorobutadiene	ND	0.50					
Hexane	ND	0.50					
m,p-Xylene	ND	0.50					
Methylene chloride	ND	0.50					
MTBE	ND	0.50					
Naphthalene	ND	0.50					
o-Xylene	ND	0.50					
Propene	ND	0.50					
Styrene	ND	0.50					
Tetrachloroethene	ND	0.50					
Tetrahydrofuran	ND	0.50					
Toluene	ND	0.50					
trans-1,2-Dichloroethene	ND	0.50					
trans-1,3-Dichloropropene	ND	0.50					
Trichloroethene	ND	0.20					
Trichlorofluoromethane	ND	0.50					
Vinyl acetate	ND	0.50					
Vinyl chloride	ND	0.50					
Surr: Bromofluorobenzene	9.37	0	*10*	0	*93.7*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TETRATECH-CHICAGO
Work Order: 1503417
Project: ACME Galv. Inc.; Project No.: 103X9026

QC BATCH REPORT

Batch ID: **R116670** Instrument ID **VMS3** Method: **ETO-15**

LCS Sample ID: **LCS-R116670** Units: **ppbv** Analysis Date: **3/17/2015 02:59 PM**
Client ID: Run ID: **VMS3_150317A** SeqNo: **1018315** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	10.99	0.50	10	0	110	58.8-163	0			
1,1,2,2-Tetrachloroethane	10.48	0.50	10	0	105	60-140	0			
1,1,2-Trichloroethane	11.58	0.50	10	0	116	60-140	0			
1,1-Dichloroethane	11.06	0.50	10	0	111	60-140	0			
1,1-Dichloroethene	10.92	0.50	10	0	109	60-140	0			
1,2,4-Trichlorobenzene	8.44	0.50	10	0	84.4	49.3-150	0			
1,2,4-Trimethylbenzene	10.84	0.50	10	0	108	50.1-162	0			
1,2-Dibromoethane	11.74	0.50	10	0	117	60-140	0			
1,2-Dichlorobenzene	10.27	0.50	10	0	103	41.9-141	0			
1,2-Dichloroethane	10.73	0.50	10	0	107	60-140	0			
1,2-Dichloropropane	11.56	0.50	10	0	116	60-140	0			
1,3,5-Trimethylbenzene	10.82	0.50	10	0	108	60-140	0			
1,3-Butadiene	10.06	0.50	10	0	101	50.6-140	0			
1,3-Dichlorobenzene	10.1	0.50	10	0	101	60-140	0			
1,4-Dichlorobenzene	10.05	0.50	10	0	100	55.1-145	0			
1,4-Dioxane	9.89	1.0	10	0	98.9	60-140	0			
2-Butanone	10.05	0.50	10	0	100	60-140	0			
2-Hexanone	10.01	0.50	10	0	100	56.2-162	0			
2-Propanol	9.43	1.0	10	0	94.3	60-140	0			
4-Ethyltoluene	11.03	0.50	10	0	110	60-140	0			
4-Methyl-2-pentanone	10.71	0.50	10	0	107	60-140	0			
Acetone	9.17	1.0	10	0	91.7	60-140	0			
Benzene	11.28	0.50	10	0	113	60-140	0			
Benzyl chloride	8.81	0.50	10	0	88.1	31.9-174	0			
Bromodichloromethane	11.29	0.50	10	0	113	60-140	0			
Bromoform	11.33	0.50	10	0	113	60-140	0			
Bromomethane	11.06	0.50	10	0	111	60-140	0			
Carbon disulfide	10.84	0.50	10	0	108	60-140	0			
Carbon tetrachloride	11.25	0.50	10	0	112	60-140	0			
Chlorobenzene	11.09	0.50	10	0	111	60-140	0			
Chloroethane	11.03	0.50	10	0	110	60-140	0			
Chloroform	11.1	0.50	10	0	111	60-140	0			
Chloromethane	10.35	0.50	10	0	104	60-140	0			
cis-1,2-Dichloroethene	11.18	0.50	10	0	112	60-140	0			
cis-1,3-Dichloropropene	11.7	0.50	10	0	117	60-140	0			
Cumene	11.16	0.50	10	0	112	60-140	0			
Cyclohexane	11.81	0.50	10	0	118	60-140	0			
Dibromochloromethane	11.58	0.50	10	0	116	60-140	0			
Dichlorodifluoromethane	10	0.50	10	0	100	60-140	0			
Ethyl acetate	10.88	0.50	10	0	109	60-140	0			
Ethylbenzene	11.5	0.50	10	0	115	60-140	0			
Freon 113	10.79	0.50	10	0	108	60-140	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: TETRATECH-CHICAGO
Work Order: 1503417
Project: ACME Galv. Inc.; Project No.: 103X9026

QC BATCH REPORT

Batch ID: **R116670** Instrument ID **VMS3** Method: **ETO-15**

Freon 114	10.87	0.50	10	0	109	60-140	0
Heptane	11.23	0.50	10	0	112	60-140	0
Hexachlorobutadiene	9.35	0.50	10	0	93.5	60-140	0
Hexane	11.07	0.50	10	0	111	60-140	0
m,p-Xylene	22.61	0.50	20	0	113	60-140	0
Methylene chloride	9.8	0.50	10	0	98	60-140	0
MTBE	10.76	0.50	10	0	108	60.8-151	0
o-Xylene	11.38	0.50	10	0	114	60-140	0
Propene	9.04	0.50	10	0	90.4	34.4-139	0
Styrene	11.83	0.50	10	0	118	60-140	0
Tetrachloroethene	11.49	0.50	10	0	115	60-140	0
Tetrahydrofuran	11.09	0.50	10	0	111	60-140	0
Toluene	11.58	0.50	10	0	116	60-140	0
trans-1,2-Dichloroethene	11.3	0.50	10	0	113	60-140	0
trans-1,3-Dichloropropene	11.47	0.50	10	0	115	60-140	0
Trichloroethene	11.02	0.20	10	0	110	60-140	0
Trichlorofluoromethane	10.09	0.50	10	0	101	60-140	0
Vinyl acetate	11.49	0.50	10	0	115	48.4-145	0
Vinyl chloride	11.09	0.50	10	0	111	60-140	0
Surr: Bromofluorobenzene	10.06	0	*10*	0	*101*	*60-140*	0

The following samples were analyzed in this batch: 1503417-01A 1503417-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Halbur, Kathy

From: Edward J Weiss <edw@acmegalv.com>
Sent: Wednesday, March 18, 2015 1:34 PM
To: Halbur, Kathy
Subject: A Big Thank You!!!

Kathy....

Just wanted to express my thanks to you for all the help you brought to my brother Jim and I during the fire and post-fire follow up.

I have met many people in my 42 year career at Acme, you will stand out as one of the MOST PROFESSIONAL
PEOPLE I have had the privilege to work with!!

As I heard more than just a few of the many contractors and other governmental agencies say, "Kathy is awesome"!!!

Thanks again.....

Regards
Ed

Edward J. Weiss
President

Acme Galvanizing, Inc
Phone: 414-645-3250 x112
Fax: 414-645-5929
Email: edw@acmegalv.com

ACME *SINCE 1919*
An ISO 9001-2008 Certified Company
www.acmegalv.com

Halbur, Kathy

From: Hibbler, Genene <Genene.Hibbler@milwaukeecountywi.gov>
Sent: Wednesday, March 18, 2015 11:59 AM
To: Halbur, Kathy
Subject: Fw: WI SPILL #9016 SERTS ID 20150316SE41-1 - UNKNOWN (UPDATES)

Kathy,

I attended the First Responder Safety Training at WCTC yesterday, and had a conversation with Brad. He stated that you may contact me regarding the below SERTS Report from Milwaukee Regional Hazmat Team. I followed up with them yesterday and they provided the below update.

Genene Hibbler, EPCRA Coordinator
Milwaukee County Office of Emergency Management (OEM)
901 North 9th Street, Room # 308
Milwaukee, WI 53233
414-278-4709 Phone
414-278-4915 Fax

From: Engine25 <eng25@milwaukee.gov>
Sent: Tuesday, March 17, 2015 2:40 PM
To: Hibbler, Genene
Subject: RE: WI SPILL #9016 SERTS ID 20150316SE41-1 - UNKNOWN

Genene,

I just talked with one of the guys that was on this run yesterday. Apparently, there were some Sulfuric Acid tanks on site. When the firefighting runoff water started to turn green, there was some concern that there was Sulfuric Acid mixing with the water runoff. However, after further investigation, it was determined that there was no Sulfuric Acid present in the water. The hazmat team found out that the color change was caused by food grade, green food coloring. When that water was tested for ph, it came back as neutral, and a sample of the water came back with no hazardous chemicals present in it. Please call me with any additional questions or concerns.

Respectfully,
Lt. Darin Peterburs

-----Original Message-----
From: Hibbler, Genene [mailto:Genene.Hibbler@milwaukeecountywi.gov]
Sent: Tuesday, March 17, 2015 2:10 PM
To: Engine25
Subject: WI SPILL #9016 SERTS ID 20150316SE41-1 - UNKNOWN

Gentlemen,

Please provide me an update on the below Spill Report?

Sent using OWA for iPhone

From: dakota.berg@wisconsin.gov <dakota.berg@wisconsin.gov>
Sent: Monday, March 16, 2015 9:40:38 AM
To: DL OEM Emergency Management
Subject: WI SPILL #9016 SERTS ID 20150316SE41-1 - UNKNOWN

Substance Release Notification from Wisconsin DNR Spill Electronic Reporting and Tracking System (SERTS):

SERTS Spill ID:
20150316SE41-1

Date/Time Reported:
03/16/2015 09:31

Person Reporting (PR):
JOHN MICHALAK
CITY OF MILWAUKEE FIRE DEPARTMENT
(414) 397-9432
(414) 349-2646

Date/Time Occurred:
03/16/2015 09:30

Location:
SE REGION
MILWAUKEE COUNTY
CITY OF MILWAUKEE
ACME GALVENIZING INC
2730 S 13TH ST

Responsible Party (RP):
ACME GALVENIZING INC

Substance:
UNKNOWN (Unknown)
SULFURIC ACID
Released Amt: UNKNOWN
Recovered Amt: UNKNOWN

Spill Cause:
DUE TO THE EXPLOSION OF THE LP TANK

NO EVACUATION

NO INJURIES

Weather:

Contractor Hired:

NONE ENTERED

Cleanup Method:
FIRE DEPARTMENT ON SCENE - ASSESING THE WATER AND GOING TO LOOK TO SEE HOW TO STOP THE LEAK

Additional Comments:
4147883365

Notified STEVE MUELLER at 09:37 by Phone

Form Completed by:
DAKOTA
(608) 267-0844
dakota.berg@wisconsin.gov

Notification sent to:
andrew.savagian@wisconsin.gov
ben.schliesman@wi.gov
beth.olson@wisconsin.gov
brian.satula@wisconsin.gov
dmawemdutyofficer@wisconsin.gov
dnrledo@wisconsin.gov
dnrlehotline@wisconsin.gov
eng25@milwaukee.gov

halbur.kathy@epa.gov
jason.lowery@wisconsin.gov
laura.kwilinski@dot.gov
linda.coogan@wi.gov
oememergencymanagement@milwaukeecountywi.gov
robert.clatterbuck@dot.gov
scott.ferguson@wisconsin.gov
stephanie.krueger@dhs.wisconsin.gov
stephend.mueller@wisconsin.gov

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Halbur, Kathy

From: Halbur, Kathy
Sent: Wednesday, March 18, 2015 9:29 AM
To: 'Schmidt, Lindor'
Cc: Rodriguez, Jose; James, Benjamin; 'Thiboldeaux, Robert L - DHS'; 'Mueller, Stephen D - DNR'; 'Biedrzycki, Paul'
Subject: Acme Galvanizing

Hi Lindor:

I expect the results of the samples collected by the MFD Hazmat Team (3 air & 1 liquid) this afternoon. I will forward the results when I receive them.

The contaminated firefighting water within the building (that was off-gassing HCN) was safely collected by Advanced Waste (AW) yesterday afternoon. AW also pressure washed the impacted floor. This work was performed in Level B PPE with EPA START conducting air monitoring and acting as rescue/back-up during the operations. HCN concentrations never exceeded 10 ppm yesterday. This water is containerized at Acme Plating, pending results of disposal sampling conducted by AW. AW also collected additional firefighting water that was in the storm sewer and caught up in the storm sewer outlet discharging to the KK River. This water was collected with a vac truck and taken to AW's facility.

Acme has hired Sigma to conduct air monitoring and act as the Safety Officer for the remaining cleanup work. The immediate hazards have all been mitigated. The fire scene is under investigation by the insurance companies (Acme & Ferrel Gas) – which may take a couple of weeks to complete. WDNR and I will keep track of the cleanup progress, but do not plan to be there daily.

If you have any questions or concerns, do not hesitate to call Steve (414-263-8631) or me.

Thanks,
Kathy

Kathy Halbur, On-Scene Coordinator
U.S. EPA Region 5
Emergency Response Branch
c/o WDNR
2984 Shawano Ave
Green Bay, WI 54313-6727
Phone: 920-662-5424
Cell: 920-634-9072
Email: halbur.kathy@epa.gov

From: Schmidt, Lindor [mailto:LESCHMI@milwaukee.gov]
Sent: Wednesday, March 18, 2015 7:55 AM
To: Halbur, Kathy
Cc: Rodriguez, Jose; James, Benjamin
Subject: Ananlytical results for standing water at Acme Galvanizing

I wanted to know if you could share these results with us and if there are any remaining remediation issues at the plant.

Lindor Schmidt

Environmental & Disease Control Specialist
Milwaukee Health Department
841 N Broadway Room 304
Milwaukee, WI 53202-3653
leschmi@milwaukee.gov
Office: (414) 286-2359 Cell: (414) 324-1315
Fax: (414) 286-5164

Halbur, Kathy

From: May, David W Lt Col USAF NG WIANG (US) <david.w.may16.mil@mail.mil>
Sent: Tuesday, March 17, 2015 7:02 AM
To: NG WI WIARNG Mailbox JOC
Cc: Leckel, Eric J MAJ USARMY NG WIARNG (US); Halbur, Kathy; Bonayon, Edwin P SFC USARMY NG WIANG (US); Brown, Christopher R SMSgt USAF NG WIARNG (US); Davison, Joseph M MAJ USARMY NG WIARNG (US); Enerson, Gregory S MSgt USAF NG WIANG (US); Hanson, Johannes J SGT USARMY NG WIARNG (US); Hellenbrand, Jeremiah J CPT USARMY NG WIARNG (US); Kaste, Seth A CPT USARMY NG WIARNG (US); Kenton, Nicholas R SSG USARMY NG WIARNG (US); Kielisch, Ava K SGT USARMY NG WIARNG (US); Koshick, Charlotte M 1st Lt USAF NG (US); Malachowski, Brandy R CPT USARMY NG WIARNG (US); Marsh, Penny J SSG USARMY NG WIARNG (US); Mccormick, Dustin D SSG USARMY NG WIANG (US); Miller, Jacob A SSG USARMY NG WIARNG (US); Oconnell, Christopher R CPT USARMY NG WIARNG (US); Prieur, Kenneth V SSG USARMY NG WIARNG (US); Schmitt, Edward A SSG USARMY NG WIARNG (US); Smith, Jeremy J SSG USARMY NG WIARNG (US); Sosa, Nicholas R SFC USARMY NG WIARNG (US); Tracy, Matthew J SFC USARMY NG WIARNG (US)
Subject: SITREP INITIAL - RESPONSE MISSION #2015-0317-01 (GALVANIZE) (UNCLASSIFIED)
Signed By: david.may.15@us.af.mil

Classification: UNCLASSIFIED
Caveats: NONE

WI JOC

SITREP INITIAL
MISSION #2015-0317-01 (GALVANIZE)
RESPONSE

At 0700, six members of the 54th CST (3xANG, 3xARNG) departed for Milwaukee to support the EPA at an industrial site to provide metering support, technical advice, and site safety support to facilitate mitigation of a suspected hydrogen cyanide spill.

Classification: UNCLASSIFIED
Caveats: NONE

54th CST ICS Form 208 Supplement, Site Safety and Health Plan

Incident Name: 15111563 (MFD #)	Incident #:	Date: 17 MAR K	Operational Period: 1

CST OPERATION GALVANIZE

Site Information

Incident Location: 2740 S. 19TH ST MILWAUKEE	LAT/LOG:
Safe Access :	
Incident Command Post Location: NW CORNER OF FACILITY	LAT/LOG:
Control Zones are indicated on the ICS 201 Site Map and identified by: line drawings	
Exclusion Line: Outlined on Map	
Contamination Control Line: Outlined on Map	
Support Line:	
Current Weather Conditions: CLEAR	
Wind Direction: N	Wind Speed: 15 MPH Temp/Time: 25°F @ 0900
24 Hour Forecast: 37-44°, CLEAR, WINDS NW 5-12 MPH	

BACKGROUND READINGS:	O2:	Radiation:	Toxicity/VOC:	Other:

ICS Form 201 - Site Map shall be completed and attached.

Organization

Incident Commander: PETER BYARS	Organization: MKW FD	
CST Commander: MAY, DAVID W	CST Deputy Commander: —	
Survey Team Leader: KENTON, NICK	CST Operations Officer: —	
Survey NCOIC: KENTON, NICK	CST Safety Officer: BROWN	
Entry Leader: AL MARKOVICH	Back-Up Leader: KENTON	**Decon Leader:**
Entry: ERIC TAYLOR	Back-Up: KIELISCH	Decon:
Entry: LANCE SUMMERS (TIGER TEAM)	Back-Up:	Decon:
Entry:	Back-Up:	Decon:

Hazard Evaluation

Chemical Name(s): [X] YES [ ] NO	HCN
Biological Agent(s): [ ] YES [X] NO	
Radiological Source(s): [ ] YES [X] NO	
Hazards:	
Hazardous Material Data Sheet(s) shall be completed and attached if known. Attached [ ] YES [X] NO	

Toxicology, signs and symptoms, and exposure treatment information is contained within the attached Hazardous Materials Data Sheet. This information shall be:

- provided prior to work activities for known involved materials
- provided following testing of unknown materials
- reviewed at the Post Incident Debriefing
- available upon request

Signs and Symptoms:

LONG BRIEFED

EXPOSURE ROUTES: [X] Respiratory [X] Coetaneous [X] Ingestion [X] ALL [ ] Other:

Entry Objectives

RECON:	X	
SITE CHARACTERIZATION:		
SAMPLING:		
MITIGATION:		
OTHER:		

Site Characterization: (Description of what and why we are here)

Protective Clothing

Entry Level	A ☐	BG4 ☐ / SCBA ☒	B ☐	C ☐	D ☐ TURN OUT GEAR
Backup Level	A ☒	BG4 ☐ / SCBA ☐	B ☐	C ☐	D ☐
Decon Level	A ☐	BG4 ☐ / SCBA ☐	B ☐	C ☐	D ☐

Recommended guidelines shall be followed for personnel in chemical protective clothing.
All CST personnel in the footprint area will have their Pro-Mask readily available.

Entry Monitoring

LEL instrument(s): 10% of the LEL outdoors, 20% indoors	[X] continuous, or:
O2 instrument(s): less than 19.5 or greater than 23.5%	[X] continuous, or:
Toxicity /PPM instrument(s):	[X] continuous, or:
Radiological instrument(s): [ ] alpha [ ] beta [ ] gamma	[ ] continuous, or:
Ground Water Monitoring: [ ] Yes [X] No	Comments:

Proper protective precautions shall be employed for personnel working where sound levels exceed limits. (The specifications are listed in 29 CFR 1910.95.)

Decontamination

Decon Corridor Location:	LAT/LOG:
Standard Department Decontamination Layout utilized: [ ] YES [ ] NO	

Decon with: M100: ___ EDS: ___ BDS: ___ CDS: ___ Light Wand: ___ Other: ____________

The modified layout and procedure will consist of:

BUDDY DECON, DOFF

Decon Procedures shall be followed for personnel and equipment exiting the Exclusion Zone.

FORWARD LINE OF MONITORING IS SET [X] YES [ ] NO | **INSTRUMENT(S) USED:** AREARAE

Emergency Procedures

Citizens within the Exclusion Zone shall be directed to the Safe Refuge Area to await assessment and instructions for appropriate protective actions. The Safe Refuge Area is located at: OFFICE, MAINTENANCE SHOP

Equipment Failure: *In the event of equipment failure that effects the safety of the personnel working in the Exclusion Zone, Entry personnel shall immediately notify the Survey Team Leader for direction and may have to leave the Exclusion Zone if directed. Re-entry is not permitted until the equipment is repaired or replaced.*

Abort/Turn Back Criteria: As briefed from ANNEX J, TAB 1 Survey Abort and Turn Back Criteria.

- Man Down
- ~~Suit Breach~~
- Commo Failure / Loss of Comms 5 Mins or greater (Send Back Up)
- IED
- Enemy Combatants
- O2 >23.5% OR < 19.5%
- LEL >10% W/Out Approval
  >15% W/ Approval
- ~~2.5 cGy total dose~~
- ~~5 cGy/HR Dose Rate~~
- Low Air SCBA ~~<1500psi~~ 2000 PSI BG4 <75psi

50 PPM – FOR MILW RD
~~10 PPM – FOR MR. S[illegible]~~

Rescue: Backup team will be in place anytime a team is in the hot zone. Team should be activated for any request for help. Notify command of any activation of a back up team.

Fire: "Fire, Fire, Fire" Radio and/or Voice call. Give location.

Escape/Evacuation Alarm: Three (3) long blasts of a horn or whistle

Entry Team Escape Route: WEST END OF FACILITY NW CORNER

All support personnel shall evacuate to: 19TH / CLEVELAND

The situation will then be assessed for appropriate corrective actions.

Site Specific Safety Information

Personnel shall not enter the Exclusion Zone without proper protective equipment and authorization from the Entry Leader.

Site Specific Safety Issues: OFF GASSING TIC/TIM

- FIRE DAMAGED STRUCTURES

- COMPROMISED STAIRS, COMPRESSED AIR TANKS ETC

Lighting shall be provided, in accordance with OSHA regulations, to maintain a safe working environment. (The specifications are listed in 29 CFR 1910.120, table H-120.1.)

Medical/Health

EMS On Site: NO	Location: N/A
CST Medical Personnel On Site: YES	Location: N. SIDE OF FACILITY

Entry and Decon Personnel shall have Pre-Entry and Post-Entry Vitals completed by qualified personnel. This information shall be recorded on a Medical Monitoring Form.

[X] Yes: CST PERSONNEL

[X] No: MILO FD PER IC

NEAREST HOSPITAL: ST LUKES (OKLAHOMA)	**DISTANCE:**	**PHONE #:**

Communications

Radio Frequencies assigned:	Command: 2	Tactical (Entry Team): 2/MFD PC2

Additional Communications utilized:

X	Visual contact with the Entry Team shall be maintained at ALL times, or as follows:
X	Emergency Hand Signals shall be reviewed with the Entry and Decon teams.
N/A	ONLY the Entry and Backup Team, Decon Leader and Safety Officer / Survey Team Leader shall utilize the assigned Tactical Channel.

Hygiene and rest room facilities are located at:

Training

1. All personnel have the required or equivalent training to perform the task or function assigned.
2. All personnel have the required or equivalent training to wear and/or operate assigned protective equipment.

[X] Yes:

[X] No: ~~ON-SITE LODGE SIEMENS CONTRACTOR IS NOT TRAINED~~

Plan Review

All Entry, Backup and Decon personnel have been briefed on the plan prior to entry.
The Plan shall be available for review by all personnel.
Changes shall NOT be made to this plan without the approval of the Asst. Safety Officer/Hazmat.

DECON LINE CERTIFIED: [ ] **TIME:** **BY:** N/A

CST Safety Officer, SIGNATURE [signature]	Date 17 MAR 15	Time
CST Survey Team Leader, SIGNATURE [signature]	Date 17 MAR 15	Time
CST Commander, SIGNATURE [signature]	Date 17 Mar 15	Time
Incident Commander, SIGNATURE [signature]	Date 17 MAR 15	Time

Documents Required to Complete This Plan

Attach required amendment(s) to document changes in this plan

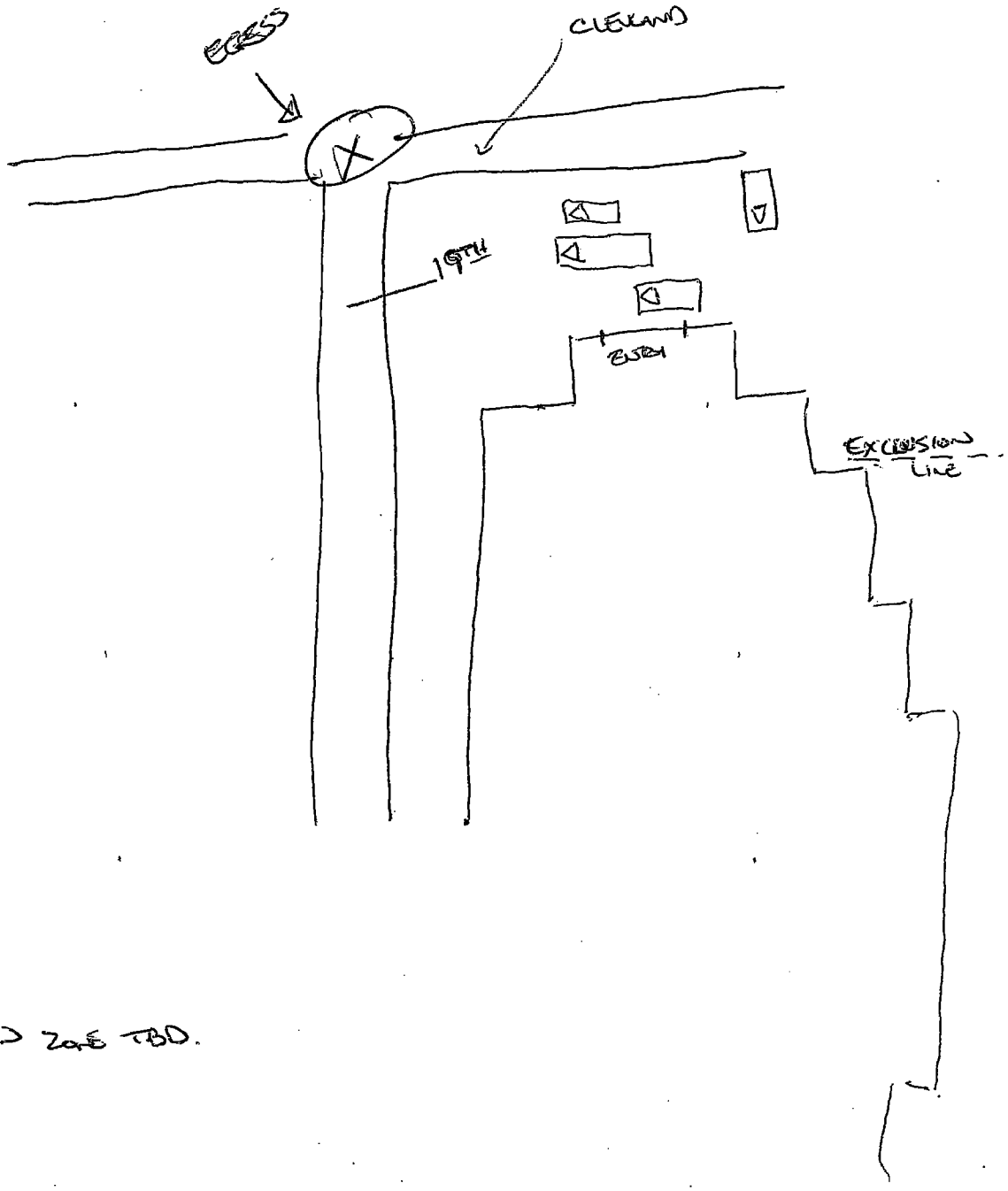
[X] ICS 201 - Site Sketch [ ] Hazardous Materials Data Sheet (if known)

[ ] OTHER: ____________

15115633

ICS Form 201 INCIDENT SITE SKETCH	1. Incident Name	2. Date Prepared	3. Time Prepared
		17 MAR 15	0900

Wind Direction:	Wind Speed:	North Arrow:
↓	10-15 MPH	↑



NOTE: EXCLUSION ZONE TBD.

ICS 201 Page 1 of 1	5. Prepared By: CR Brown

Halbur, Kathy

From: Summers, Lance <Lance.Summers@tetratech.com>
Sent: Tuesday, March 17, 2015 3:23 PM
To: Scott, Kevin; Halbur, Kathy
Subject: Hcn monitor scarcity

Lance P. Summers | Environmental Scientist
Direct: 312.201.7767 | Cell: 812.756.6001
lance.summers@tetratech.com

Tetra Tech | *Complex World, Clear Solutions*™
1 S. Wacker Drive, Suite 3700 | Chicago, IL 60606
www.tetratech.com

Begin forwarded message:

From: Mary Palermo <mpalermo@pine-environmental.com>
Date: March 16, 2015 at 5:42:42 PM CDT
To: "'lance.summers@tetratech.com'" <lance.summers@tetratech.com>
Subject: Inquiry

Hello Lance,

I spoke with my technician and we do not have that available. Just for your information, these probes with cyanide, are harder to come by because they are not rented often at all and the calibration gas is very costly with a short shelf life.

Now, if you knew of a project coming up that requires this, please give us notice and we can order the gas for you and supply with the equipment. Sorry I was unable to assist. Enjoy your evening.

Mary Palermo
Branch Manager

Office: 847-718-1246
Fax: 847-718-1423

<image001.jpg>

Pine Environmental Services
1450 Elmhurst Rd
Elk Grove Village, IL 60007

www.pine-environmental.com

<image002.jpg>.<image003.jpg> <image004.jpg> <image005.jpg>

Halbur, Kathy

From: Brian Cahill <brian-cahill@deltrol.com>
Sent: Tuesday, March 17, 2015 7:27 AM
To: Halbur, Kathy
Subject: ACME Galvanizing Air

Kathy,

I understand that you talked with Josh Ferrer from our Company yesterday. You told him there were some "inconsistencies" in the air quality readings inside ACME. Can you tell me if anything has changed with this? The wind is blowing in a different direction today, and if there are concerning inconsistencies in the air quality measurements at ACME, could the wind be carrying them into the air intake of our building?

I would appreciate your feedback regarding this.

Thank you,

Brian Cahill, President
Deltrol Controls

P: +01 414.290.7111 | **M:** +01 414.841.5122 | **F:** +01 414.671.6809
2740 S. 20th St., Milwaukee, WI 53215 USA
www.deltrol-controls.com

Halbur, Kathy

From: Halbur, Kathy
Sent: Monday, March 16, 2015 9:32 PM
To: 'molen@milwaukee.gov'; 'bkraus@milwaukee.gov'
Cc: 'Schmidt, Lindor'; 'Thiboldeaux, Robert L - DHS'
Subject: Acme Galvanizing

Hi:

The concerns regarding the Hydrogen Cyanide concentrations within the building adjacent to the fire area remain. The 54th Civil Support Team will be mobilizing to the Site to assist EPA with air monitoring and oversight of cleanup contractor operations. Entry into the building remains restricted. EPA START contractor is on scene overnight conducting perimeter air monitoring. Cleanup operations will resume at 0800 on 3/17/15.
Any questions, you can reach me at 920-634-9072.

Kathy

Kathy Halbur, On-Scene Coordinator
U.S. EPA Region 5
Emergency Response Branch
c/o WDNR
2984 Shawano Ave
Green Bay, WI 54313-6727
Phone: 920-662-5424
Cell: 920-634-9072
Email: halbur.kathy@epa.gov

Halbur, Kathy

From:	Halbur, Kathy
Sent:	Monday, March 16, 2015 9:21 PM
To:	Hassan, Jacob; R5 ER Notification List
Cc:	Thomas, Craig; Maguire, Andrew; Benning, Brad; Augustyn, James; Sewell, Jason; Chummar, Sam
Subject:	RE: Region 5 ER Notification# 2 : Acme Galvanizing Inc
Attachments:	IMG_20150316_110613.jpg; IMG_20150316_170830.jpg

Region 5 ER Notification# 2 : Acme Galvanizing Inc

Report as of: 2100 hrs CST on Monday, March 16, 2015

Overview: At 0750 on March 16, 2015, a propane tank exploded at the Acme Galvanizing facility in Milwaukee, WI (NRC#1110783). After extinguishing the fire, the Milwaukee Fire Department (MFD) identified elevated Hydrogen Cyanide concentrations (greater than 50 ppm) inside the building adjacent to the fire area. The cyanide storage area and plating lines do not appear to have been impacted by the firefighting operations, however a lab was adjacent to the area consumed by fire. The hot zone is secured within the building; all entry into the building is prohibited overnight. START is conducting perimeter monitoring overnight. The WI 54th Civil Support Team (CST) will be assisting with air monitoring when cleanup operations resume at 0800 on March 17, 2015.

Firefighting runoff outside the facility had an observable green tint (see attached photo); preliminary analysis conducted by the facility's contractor indicated the water did not contain cyanide or chromium and had a neutral pH. The drain plug containing the water gave way prior to the arrival of the vac truck, releasing approximately 3,500 gallons to the Kinnickinnic River; 400 gallons was collected by Advanced Waste and taken to their treatment facility. EPA is analyzing air and runoff samples collected by MFD Hazmat Team.

State, Local, and other Federal Agency Action: MFD Hazmat Team demobilized at 1630; WDNR and EPA demobilized at 1915; START on scene overnight conducting air monitoring operations. WDNR, CST, and EPA planning to resume operations at 0800 on March 17; MFD Hazmat will be on standby.

EPA Actions: OSC Halbur is providing assistance to the local fire department and WDNR to assess the risks posed by the Hydrogen Cyanide as well as overseeing the containment and removal of contaminated runoff. START is providing technical assistance on site.

Media Interest: Yes, all Milwaukee television stations

Contact: Kathy Halbur, EPA OSC, 920-634-9072

Halbur, Kathy

From: Hassan, Jacob
Sent: Monday, March 16, 2015 1:07 PM
To: R5 ER Notification List
Cc: Thomas, Craig; Maguire, Andrew; Benning, Brad; Augustyn, James; Sewell, Jason; Chummar, Sam; Halbur, Kathy
Subject: Region 5 ER Notification# 1 : Acme Galvanizing Inc

Region 5 ER Notification# 1 : Acme Galvanizing Inc

Report as of: 1200 hrs CST on Monday, March 16, 2015

Overview: At 0930 on March 16, 2015, EPA was notified of a propane explosion at the Acme Galvanizing facility in Milwaukee, WI (NRC# 1110783). The local fire department has extinguished the fire and commenced an assessment of the facility. The initial entry identified an unknown green-colored liquid in the loading dock area of the facility and air monitoring equipment showed elevated levels of hydrogen cyanide. The source of the green-color liquid is unknown at this time. The sewer drains have been sealed and there is no off-site impact. EPA is supporting the local fire department and WDNR to assess and characterize the unknown liquid. A clean-up contractor is en-route.

State, Local, and other Federal Agency Action: Milwaukee Fire Department and WDNR are on-scene.

EPA Actions: OSC Halbur is on site and is providing assistance to the local fire department and WDNR to develop a site assessment and characterization plan. START is mobilizing to the site.

Media Interest: Yes
http://wgntv.com/2015/03/16/explosion-fire-reported-at-business-on-milwaukees-south-side/

Contact: Kathy Halbur, EPA OSC, 920-662-5424

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive